

# South Dogtrack Drainage Project



## PROJECT DESCRIPTION

This project will plan and design improved drainage within the Bayou Grande Drainage Basin. New incidences of flooding are now occurring in areas that had no previous flooding problems. In order to restore historic drainage patterns and reduce flooding of existing homes, this project will provide planning and design for: 1. Construction of stormwater ponds to replace lost floodplain and stormwater storage. 2. Construction of a new drainage outfall from the headwaters of the drainage basin along Blue Angel Parkway to the headwaters of Bayou Grande (Garcon Swamp). 3. Provide channel and stream restoration improvements along two merging creeks to Bayou Grande. The project's stormwater management goals are to improve flow through the creek to reduce flooding and scour in the creek, and to provide significant flood control measures. Stormwater pond(s), wetland restoration, floodplain restoration, and habitat creation areas are proposed.

This area has suffered severe flooding issues. Providing this new stormwater drainage and treatment will reduce flooding and increase stormwater retention. Stream restoration components will also provide improved habitat and water quality for Bayou Grande, which currently is impaired for bacteria.

## PROJECT DETAILS

### 2016-17 MYIP ACTIVITIES - \$240,000

#### *Planning & Design*

- Conceptual Plan/Study
- Design & Permitting
- Identify properties for acquisition/easements

**Primary Eligible Activity:** Planning Activities

**Secondary Eligible Activity:** Coastal flood protection and related infrastructure.

### \*FUTURE ACTIVITIES - \$7,900,000

#### *Construction & Monitoring*

- Install 7,000 feet of new 48" storm pipe along the west side of Blue Angel Parkway
- Easement/Land Acquisition
- Stormwater Ponds
- Coral Creek Stream Restoration

Total Project Cost: \$8,140,000

Leverage: None

\*Future activities are not funded by the 2016-17 MYIP but could be funded in future multi-year plans.



**Overall Project Benefits:**

- Flood Protection (Over 300 homes)
- Floodplain Restoration
- Stream Restoration
- Water Quality Improvements
- Enhance Natural System Resiliency
- Restore Stormwater Flow/ Volume
- Improve Community Resiliency
- Provide Temporary Employment
- Reduce Repeated Loss

**Best Available Science:**

Flooding (See Reference Page)

- Hydrological flow has been diverted by surrounding development
- Encroachment around Coral Creek has increased water volume while reducing flow out of the creek

Stream Restoration (See Reference Page)

- Bayou Grande bacteria TMDL